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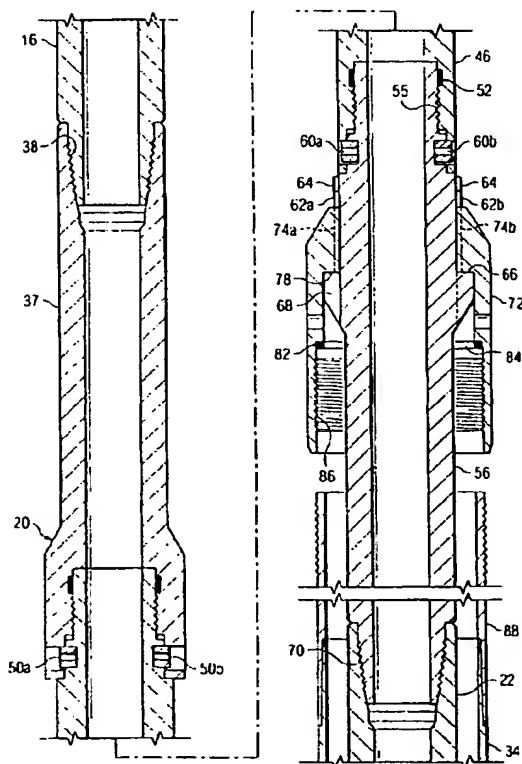
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(54) Title: APPARATUS AND METHOD FOR RUNNING A RADially EXPANDABLE TUBULAR MEMBER



(57) Abstract: A tubular apparatus (20) and method, according  
to which a first tubular member (34) is adapted to be lowered into  
a well bore and a second tubular member (120) is connected to the  
first tubular member (34). A third tubular member (102, 112) is  
normally connected to the first tubular member (34) and discon-  
nected from the second tubular member (102, 112), and is adapted  
for movement relative to the first (34) and second tubular (120,  
112) members to disconnect from the first tubular member (34)  
and connect to the second tubular member (102, 112).

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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ,

EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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International application No.

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(7)	E21B 17/00, 19/16	
US CL	166/242.7, 380, 208	
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 166/242.7, 380, 277, 377, 378, 381, 382, 77.51, 301, 206, 242.1, 242.6, 207, 208		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category #	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P, L	US 2003/0075337 A1 (Maguire) 24 April 2003 (24.04.2003), see Figures.	21-26, 28-34
Y, P, L		27
Y	US 2002/0139540 A1 (Lauritzen) 03 October 2002 (03.10.2002), see paragraph 0038.	27
A	US 4,915,177 A (Claycomb) 10 April 1990 (10.04.1990), see Figures.	1-20
A	US 4,995,464 A (Walkins et al.) 26 February 1991 (26.02.1991), see Figures.	1-20
A	US 3,667,547 A (Ahlstone) 06 June 1972 (06.06.1972), see Figures.	1-20
A	US 5,566,772 A (Cone et al.) 22 October 1993 (22.10.1993), see Figures.	1-20
A	US 4,778,088 A (Gonzalez et al.) 18 October 1988 (18.10.1988), see Figures.	1-20
A, T	US 6,516,887 B2 (Nguyen et al.) 11 February 2003 (11.02.2003), see Figures.	1-20
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
Special categories of cited documents:		
-A-	document defining the general state of the art which is not considered to be of particular relevance	-T-
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-O-	document referring to an oral disclosure, use, exhibition or other means	-Z-
-P-	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search		Date of mailing of the international search report
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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,E	US 6,732,806 B2 (Mauldin et al.) 11 May 2004 (11.05.2004), see Figures.	21-34
A,E	US 6,695,065 B2 (Simpson et al.) 24 February 2004 (24.02.2004), see Figures.	21-34
A,P,L	US 6,543,552 B1 (Metcalf et al.) 08 April 2003 (08.04.2003), see Figures.	21-34
A,P,L	US 6,543,545 B1 (Chatterji et al.) 08 April 2003 (08.04.2003), see Figures.	21-34
A	US 6,325,148 B1 (Trahan et al.) 04 December 2001 (04.12.2001), see Figures.	21-34
A	US 5,785,120 A (Smalley et al.) 28 July 1998 (28.07.1998), see Figures.	21-34

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## INTERNATIONAL SEARCH REPORT

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### Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: expandable casing, expandable tubing, expandable liner, connection, thread, torque, cement, resistance, restriction, obstruction, expander, expansion cone, expansion mandrel, rotation, tension, liner hanger